Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 295 (2005) 284–286
journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Author index to volume 295

Al-Hammadi, A.H., see El Ata, A.M.A. 28
Alouani, M., see Vildosola, V.L. 180
Anand, S., see Mohapatra, M. 44
Arkhipov, V.E., see Neifeld, E.A. 77
Armand, C., see Serres, A. 183
Attia, S.M., see El Ata, A.M.A. 28

Bebenin, N.G., see Neifeld, E.A. 77
BenAssayag, G., see Serres, A. 183
Blank, D.H.A., see Thang, P.D. 251
Bruno, E., see Ostanin, S. 110

Cakir, O., I. Dincer, A. Elmali, E. Duman and Y. Elerman, Magnetic study of intermetallic $Ce_{1-x}Tb_xMn_2Ge_2$ ($0 \leqslant x \leqslant 1$) compounds 235
Chang, J., see Zhao, A. 37
Chen, H.Y., see Hu, H.N. 257
Chen, J.L., see Hu, H.N. 257
Chen, N.-X., see Wang, H.-Y. 219
Chougule, B.K., see Kanamadi, C.M. 139
Claverie, A., see Serres, A. 183

Das, R.P., see Mohapatra, M. 44
de Araujo, A.E.P., see Sinnecker, J.P. 121
Delair, T., see Veyret, R. 155
Demchuk, K.M., see Neifeld, E.A. 77
Dennis, K.W., see Yang, N. 65
Desai, R., R.V. Upadhyay and R.V. Mehta, Rheological properties of water-based magnetic fluid and its emulsion 186
Devi, P.S., see Guo, X.Z. 145
Dincer, I., see Cakir, O. 235
Duman, E., see Cakir, O. 235

El Ata, A.M.A., S.M. Attia, D. El Kony and A.H. Al-Hammadi, Spectral, initial magnetic permeability and transport studies of $Li_{0.5-0.5x}Co_xFe_{2.5-0.5x}O_4$ spinel ferrite 28
El Kony, D., see El Ata, A.M.A. 28
Elaissari, A., see Veyret, R. 155
Elerman, Y., see Cakir, O. 235
Elmali, A., see Cakir, O. 235

Filho, R.N.C., see Leite, R.V. 57
Fujiwara, H., see Wang, S. 246

Gambino, R.J., see Guo, X.Z. 145
Gan'shina, E., see Ha, N.D. 126
Gaviko, V.S., see Neifeld, E.A. 77
Ginatempo, B., see Ostanin, S. 110
Goode, D.A. and G. Rowlands, Analytical magnetic distributions and Stoner–Wohlfarth theory for near-uniformly magnetised rectangular nanomagnets 197
Gopalan, R., X.Y. Xiong, T. Ohkubo and K. Hono, Nanoscale microstructure and magnetic properties of melt-spun $Sm(Co_{0.725}Fe_{0.1}Cu_{0.12}Zr_{0.04}B_{0.015})_{7.4}$ ribbons 7
Gorham, N.T., R.C. Woodward, T.G. St Pierre, B.D. Terris and S. Sun, Apparent magnetic energy-barrier distribution in FePt nanoparticles 174
Górka, B., see Szumiata, T. 95
Gu, M., see Qiu, J. 263
Guan, J.-G., see Zhao, W.-Y. 21
Guo, X.Z., B.G. Ravi, P.S. Devi, J.C. Hanson, J. Margolies, R.J. Gambino, J.B. Parise and S. Sampath, Synthesis of yttrium iron garnet (YIG) by citrate–nitrate gel combustion and precursor plasma spray processes 145

Ha, N.D., T.S. Yoon, E. Ganã shina, M.H. Phan, C.G. Kim and C.O. Kim, Observation of reversed hysteresis loops and negative coercivity in CoFeAlO magnetic thin films 126
Hanson, J.C., see Guo, X.Z. 145
Hernández, L. and C. Pinettes, Study of the influence of surface anisotropy and lattice structure on the behaviour of a small magnetic cluster 82
Hirano, S.-i., see Suwaki, H. 230
Hono, K., see Gopalan, R. 7
Hu, H.N., H.Y. Chen, S.Y. Yu, J.L. Chen, G.H. Wu, F.B. Meng, J.P. Qu, Y.X. Li, H. Zhu and J.Q. Xiao, Textured Co nanowire arrays with controlled magnetization direction 257

Iseki, T., see Yasuhara, A. 1
Ishikawa, T., see Yasuhara, A. 1
Isono, M., see Yamamoto, H. 51
Ivanov, Z., see Malisa, A. 277

Kanamadi, C.M., L.B. Pujari and B.K. Chougule, Dielectric behaviour and magnetoelectric effect in

doi: 10.1016/S0304-8853(05)00628-1

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 295 (2005) 284–286
journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Author index to volume 295

Al-Hammadi, A.H., see El Ata, A.M.A. 28
Alouani, M., see Vildosola, V.L. 180
Anand, S., see Mohapatra, M. 44
Arkhipov, V.E., see Neifeld, E.A. 77
Armand, C., see Serres, A. 183
Attia, S.M., see El Ata, A.M.A. 28

Bebenin, N.G., see Neifeld, E.A. 77
BenAssayag, G., see Serres, A. 183
Blank, D.H.A., see Thang, P.D. 251
Bruno, E., see Ostanin, S. 110

Cakir, O., I. Dincer, A. Elmali, E. Duman and Y. Elerman, Magnetic study of intermetallic $Ce_{1-x}Tb_xMn_2Ge_2$ ($0 \leqslant x \leqslant 1$) compounds 235
Chang, J., see Zhao, A. 37
Chen, H.Y., see Hu, H.N. 257
Chen, J.L., see Hu, H.N. 257
Chen, N.-X., see Wang, H.-Y. 219
Chougule, B.K., see Kanamadi, C.M. 139
Claverie, A., see Serres, A. 183

Das, R.P., see Mohapatra, M. 44
de Araujo, A.E.P., see Sinnecker, J.P. 121
Delair, T., see Veyret, R. 155
Demchuk, K.M., see Neifeld, E.A. 77
Dennis, K.W., see Yang, N. 65
Desai, R., R.V. Upadhyay and R.V. Mehta, Rheological properties of water-based magnetic fluid and its emulsion 186
Devi, P.S., see Guo, X.Z. 145
Dincer, I., see Cakir, O. 235
Duman, E., see Cakir, O. 235

El Ata, A.M.A., S.M. Attia, D. El Kony and A.H. Al-Hammadi, Spectral, initial magnetic permeability and transport studies of $Li_{0.5-0.5x}Co_xFe_{2.5-0.5x}O_4$ spinel ferrite 28
El Kony, D., see El Ata, A.M.A. 28
Elaissari, A., see Veyret, R. 155
Elerman, Y., see Cakir, O. 235
Elmali, A., see Cakir, O. 235

Filho, R.N.C., see Leite, R.V. 57
Fujiwara, H., see Wang, S. 246

Gambino, R.J., see Guo, X.Z. 145
Gan'shina, E., see Ha, N.D. 126
Gaviko, V.S., see Neifeld, E.A. 77
Ginatempo, B., see Ostanin, S. 110
Goode, D.A. and G. Rowlands, Analytical magnetic distributions and Stoner–Wohlfarth theory for near-uniformly magnetised rectangular nanomagnets 197
Gopalan, R., X.Y. Xiong, T. Ohkubo and K. Hono, Nanoscale microstructure and magnetic properties of melt-spun $Sm(Co_{0.725}Fe_{0.1}Cu_{0.12}Zr_{0.04}B_{0.015})_{7.4}$ ribbons 7
Gorham, N.T., R.C. Woodward, T.G. St Pierre, B.D. Terris and S. Sun, Apparent magnetic energy-barrier distribution in FePt nanoparticles 174
Górka, B., see Szumiata, T. 95
Gu, M., see Qiu, J. 263
Guan, J.-G., see Zhao, W.-Y. 21
Guo, X.Z., B.G. Ravi, P.S. Devi, J.C. Hanson, J. Margolies, R.J. Gambino, J.B. Parise and S. Sampath, Synthesis of yttrium iron garnet (YIG) by citrate–nitrate gel combustion and precursor plasma spray processes 145

Ha, N.D., T.S. Yoon, E. Ganã shina, M.H. Phan, C.G. Kim and C.O. Kim, Observation of reversed hysteresis loops and negative coercivity in CoFeAlO magnetic thin films 126
Hanson, J.C., see Guo, X.Z. 145
Hernández, L. and C. Pinettes, Study of the influence of surface anisotropy and lattice structure on the behaviour of a small magnetic cluster 82
Hirano, S.-i., see Suwaki, H. 230
Hono, K., see Gopalan, R. 7
Hu, H.N., H.Y. Chen, S.Y. Yu, J.L. Chen, G.H. Wu, F.B. Meng, J.P. Qu, Y.X. Li, H. Zhu and J.Q. Xiao, Textured Co nanowire arrays with controlled magnetization direction 257

Iseki, T., see Yasuhara, A. 1
Ishikawa, T., see Yasuhara, A. 1
Isono, M., see Yamamoto, H. 51
Ivanov, Z., see Malisa, A. 277

Kanamadi, C.M., L.B. Pujari and B.K. Chougule, Dielectric behaviour and magnetoelectric effect in

doi: 10.1016/S0304-8853(05)00628-1

$(x)Ni_{0.8}Cu_{0.2}Fe_2O_4+(1-x)Ba_{0.9}Pb_{0.1}Ti_{0.9}Zr_{0.1}O_3$ ME composites 139
Kang, C., see Zhao, A. 37
Kechrakos, D. and K.N. Trohidou, Monte Carlo study of the magnetic behavior of self-assembled nanoparticles 177
Kikuta, K., see Suwaki, H. 230
Kim, C.G., see Ha, N.D. 126
Kim, C.O., see Ha, N.D. 126
Kim, T., L. Reis, K. Rajan and M. Shima, Magnetic behavior of iron oxide nanoparticle–biomolecule assembly 132
Knobel, M., see Sinnecker, J.P. 121
Kobayashi, T., see Yamamoto, H. 51
Kondo, H., see Tetsukawa, H. 191
Korolev, A.V., see Neifeld, E.A. 77
Kramer, M.J., see Yang, N. 65
Kumar, A., see Srikiran, J.S. 168

Lee, P.L., see Yang, N. 65
Leite, R.V., J.M. Pereira Jr. and R.N.C. Filho, Localized magnetic excitations of coupled impurities in a transverse Ising ferromagnet 57
Li, L.-C., see Zhao, W.-Y. 21
Li, Y.X., see Hu, H.N. 257
Liu, G., see Wang, H.-Y. 219
Liu, Z.L., see Zhang, Y.S. 269
Llois, A.M., see Vildosola, V.L. 180

Malisa, A. and Z. Ivanov, Colossal magnetoresistance effect in epitaxially grown $La_{2/3}Ca_{1/3}MnO_3$ perovskite-like manganite thin films 277
Margolies, J., see Guo, X.Z. 145
McCallum, R.W., see Yang, N. 65
Mehta, R.V., see Desai, R. 186
Meng, F.B., see Hu, H.N. 257
Microstructures and magnetic domain structures in $Sm_2(Fe,Mn)_{17}N_3$ powders studied by analytical electron microscopy and Lorentz microscopy 1
Mohapatra, M., B. Pandey, C. Upadhyay, S. Anand, R.P. Das and H.C. Verma, Effect of Ni doping on the properties of fine magnetite particles 44
Mukovskii, Ya.M., see Neifeld, E.A. 77

Neifeld, E.A., N.G. Bebenin, V.E. Arkhipov, K.M. Demchuk, V.S. Gaviko, A.V. Korolev, N.A. Ugryumova and Ya.M. Mukovskii, The effect of pressure and magnetic field on the O–R structural phase transition in $La_{1-x}Sr_xMnO_3$ single crystals: the transition heat 77

Ohkubo, T., see Gopalan, R. 7
Ohmori, K., see Yasuhara, A. 1
Oshimura, N., see Yasuhara, A. 1
Ostanin, S., J.B. Staunton, S.S.A. Razee, B. Ginatempo and E. Bruno, An ab-initio theoretical investigation of the soft-magnetic properties of permalloys 110

Pandey, B., see Mohapatra, M. 44
Parise, J.B., see Guo, X.Z. 145
Park, H.S., see Yasuhara, A. 1
Pereira Jr., J.M., see Leite, R.V. 57
Pesant, J.-C., see Serres, A. 183
Phan, M.H., see Ha, N.D. 126
Piccin, R., see Sinnecker, J.P. 121
Pichot, C., see Veyret, R. 155
Pinettes, C., see Hernández, L. 82
Platt, C.L. and K.W. Wierman, Use of film thickness and Cu additive to improve (001) texture in MgO/FePtCu(C) bilayers 241
Pu, P., see Zhao, A. 37
Pujari, L.B., see Kanamadi, C.M. 139

Qiu, J., M. Gu and H. Shen, Microwave absorption properties of Al- and Cr-substituted M-type barium hexaferrite 263
Qu, J.P., see Hu, H.N. 257

Rajan, K., see Kim, T. 132
Ravi, B.G., see Guo, X.Z. 145
Razee, S.S.A., see Ostanin, S. 110
Reis, L., see Kim, T. 132
Respaud, M., see Serres, A. 183
Richter, J., see Schmidt, R. 164
Rijnders, G., see Thang, P.D. 251
Rowlands, G., see Goode, D.A. 197

Sakamoto, W., see Suwaki, H. 230
Sampath, S., see Guo, X.Z. 145
Schmidt, R., J. Richter and J. Schnack, Frustration effects in magnetic molecules 164
Schnack, J., see Schmidt, R. 164
Serres, A., M. Respaud, G. BenAssayag, J.-C. Pesant, C. Armand and A. Claverie, Studies of ion implantation conditions and magnetic properties of MnAs nanoparticles buried in GaAs substrate 183
Shen, H., see Qiu, J. 263
Shima, M., see Kim, T. 132
Shindo, D., see Yasuhara, A. 1
Sinnecker, J.P., A.E.P. de Araujo, R. Piccin, M. Knobel and M. Vázquez, Dipolar-biased giant magnetoimpedance 121
Sovák, P., see Szumiata, T. 95
Srikiran, J.S., A. Kumar and S.M. Yusuf, Evidence of ferromagnetic domains in the perovskite $La_{0.7}Sr_{0.3}Co_{0.9}Mn_{0.1}O_3$ 168
St Pierre, T.G., see Gorham, N.T. 174
Staunton, J.B., see Ostanin, S. 110
Sun, M., see Wang, S. 246
Sun, S., see Gorham, N.T. 174
Suwaki, H., T. Yamaguchi, W. Sakamoto, T. Yogo, K. Kikuta and S.-i. Hirano, Chemical solution processing and properties of Sr_2FeMoO_6 thin films 230

Szumiata, T., B. Górka, A. Zorkovská and P. Sovák, Structure and hyperfine interactions in Al-doped FINEMET 95

Terris, B.D., see Gorham, N.T. 174
Tetsukawa, H. and H. Kondo, Activation volume and interaction of metal particulate media 191
Thang, P.D., G. Rijnders and D.H.A. Blank, Spinel cobalt ferrite by complexometric synthesis 251
Trohidou, K.N., see Kechrakos, D. 177

Ugryumova, N.A., see Neifeld, E.A. 77
Upadhyay, C., see Mohapatra, M. 44
Upadhyay, R.V., see Desai, R. 186

Vázquez, M., see Sinnecker, J.P. 121
Verma, H.C., see Mohapatra, M. 44
Veyret, R., T. Delair, C. Pichot and A. Elaissari, Amino-containing magnetic nanoemulsions: elaboration and nucleic acid extraction 155
Vildosola, V.L., M. Alouani and A.M. Llois, Crystal-field splittings and Kondo effect in CeM_2Si_2 materials (M = Ru, Rh, Pd) 180

Wang, H.-Y., F.-A. Zhao, N.-X. Chen and G. Liu, Theoretical investigation on the phase stability of $Nd_2Fe_{14}B$ and site preference of V, Cr, Mn, Zr and Nb 219
Wang, S., H. Fujiwara and M. Sun, Toggle magnetoresistance random access memory based on magnetostatically coupled bilayers 246
Wierman, K.W., see Platt, C.L. 241
Woodward, R.C., see Gorham, N.T. 174
Wu, G.H., see Hu, H.N. 257
Wu, H.-S., see Xu, X.-H. 106

Xiao, J.Q., see Hu, H.N. 257
Xiong, X.Y., see Gopalan, R. 7
Xu, X.-H., Z.-G. Yang and H.-S. Wu, A high (001)-oriented CoPt/Ag film deposited on glass substrate 106

Yamaguchi, T., see Suwaki, H. 230
Yamamoto, H., M. Isono and T. Kobayashi, Magnetic properties of Ba–Nd–Co system M-type ferrite fine particles prepared by controlling the chemical coprecipitation method 51
Yang, N., K.W. Dennis, R.W. McCallum, M.J. Kramer, Y. Zhang and P.L. Lee, Spontaneous magnetostriction in $R_2Fe_{14}B$ (R = Y, Nd, Gd, Tb, Er) 65
Yang, Z.-G., see Xu, X.-H. 106
Yao, K.L., see Zhang, Y.S. 269
Yao, P., see Zhao, A. 37
Yogo, T., see Suwaki, H. 230
Yoon, T.S., see Ha, N.D. 126
Yu, S.Y., see Hu, H.N. 257
Yuan, X., see Zhao, A. 37
Yusuf, S.M., see Srikiran, J.S. 168

Zhang, Q.-J., see Zhao, W.-Y. 21
Zhang, Y., see Yang, N. 65
Zhang, Y.S., K.L. Yao and Z.L. Liu, First principle calculation on the electronic structure of $CeRu_2Ge_2$ 269
Zhao, A., P. Yao, C. Kang, X. Yuan, J. Chang and P. Pu, Synthesis and characterization of tat-mediated O-CMC magnetic nanoparticles having anticancer function 37
Zhao, F.-A., see Wang, H.-Y. 219
Zhao, W.-Y., Q.-J. Zhang, L.-C. Li and J.-G. Guan, Microstructure and magnetic properties of non-stoichiometric M-type hexaferrite with barium surplus 21
Zhu, H., see Hu, H.N. 257
Zorkovská, A., see Szumiata, T. 95

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Magnetism and Magnetic Materials 295 (2005) 287–288
Journal of magnetism and magnetic materials
www.elsevier.com/locate/jmmm

Subject index to volume 295

Ab-initio electronic structure calculations 110
Ac susceptibility 168
Activation volume 191
Adsorption 155
Ag underlayer 106
Al, Cr substitution 263
Amorphous wire 121
Amplification 155

Ba–Nd–Co M-type ferrite 51
Barium hexaferrite 263
Biomolecule 132
Blocking temperature 177

Carrier 37
$CeRu_2Ge_2$ 269
Chemical coprecipitation 51
Chemical synthesis 230
Citrate-nitrate 145
Cobalt ferrite 251
Coercivity 7
Coercivity mechanism 1
Cohesive energy 219
Colloidal stability 155
Colossal magnetoresistance effect 277
Complexometric method 251
Co–Fe–Al–O thin films 126
CoPt thin films 106
Crystallographic structure 251
Cu 241
Cytotoxicity 37

Dielectric behaviour 139
Dipolar interaction 121
ΔM 191
Domain wall pinning 1

EELS elemental mapping 1
Energy-barrier distribution 174

FePt 241
FePt equiatomic alloy 174
Ferromagnetic domains 168
Ferromagnetic Nanoparticles 183
Ferromagnetic resonance 263
Fine particles 51
FP_LAPW 269
Frustration 164

Giant magnetoimpedance 121
Green's function 57

Heat treatment 51
Heavy fermions 180
Heisenberg ferromagnet 57

Impurities modes 57
In-field rheological measuments 186
Interaction 191
Interparticle interactions 177
Ion Implantation 183
IR spectroscopy 28
Ising model transverse 57

Kerr effect 126

$L1_0$ 241
Layered magnetic structures 235
Lorentz microscopy 1

M-type hexaferrite with barium surplus 21
Magnetic emulsion 155
Magnetic fluids 186
Magnetic molecules 164
Magnetic nanoparticles 132, 177
Magnetic permeability 28
Magnetic phase transition 235
Magnetic properties 21, 44, 51, 145, 251
Magnetic sensors 121
Magnetite 44
Magneto-optics 126
Magnetoelectric effect 139
Magnetoresistance 230
Magnetostatic coupling 246
Magnetostriction 65
Magnetostrictive coefficient 139
Manganites 77, 277
Melt-spinning 7
Metal particulate media 191
Micelles 186
Microstructure 7, 21, 95, 251
Microwave absorption 263
Monte Carlo simulations 82, 177
Mössbauer spectrometry 95
Mössbauer spectroscopy 44
MRAM 246
Multilayer 241

Nanocrystalline alloy 95
Nanocrystalline materials 7
Nanomagnets 197
Nanoparticle arrays 177
Nanoparticles 37, 174
Nanowire electrodeposition texture 257
$Nd_2Fe_{14}B$ 219
Neutron depolarization 168
Ni-doping 44
Nucleic acid 155

O-carboxylmethylated chitosan 37
On-site Coulomb potential 269

Peptide 37
Permalloys 110
Perovskite 277
Perpendicular anisotropy 241
Perpendicular magnetic recording 106
Phase evolution 145
Phase stability 219
Pinning 235
Plasma spray 145
Polyelectrolyte 155
Polymer 37
Porous anodic aluminum oxide 257

Rare earth 235
Rare-earth transition-metal compound 65
Reduction and diffusion method 1
Rietveld refinement 65
RNA 155

Self-propagating combustion 263
Semiconductors 183
Site preference 219

doi:10.1016/S0304-8853(05)00629-3

Small magnetic clusters 82
Soft magnetic material 197
Soft magnets 110
Spin polarization 269
Spin wave 57
Spinel ferrite 28
Stoner–Wohlfarth 197
Strongly correlated electron systems 180
Structural transition 77
Superparamagnetism 132
Surface anisotropy 82
Synchrotron 65

TEM 1
Texture 106
Theoretical magnetism 110
Thermoelectric power and DC conductivity 28
Thermomagnetic properties 95
Thin films 230, 277
Three-dimensional atom probe 7
Time dependence of magnetization 174
Toggle switch 246
Transition heat 77
Transition metal 235
Tumor 37

X-ray diffraction 230
X-ray diffraction analysis 28
X-ray powder diffraction 65

YIG 145

Zeta potential 155